

DP-310881

**Directional Patch Antenna**

**Abstract of the Disclosure**

An antenna unit is disclosed. The antenna unit includes a wire antenna element and a patch antenna element. The wire antenna element creates a null at low-elevation angles to provide directional antenna patterns in azimuth planes. Nulls of the terrestrial signal pattern are directed toward the passenger compartment of a vehicle to create a larger spatial region for reception of terrestrial signals.